

ABSTRACT OF DISCLOSURE

The present invention provides a semiconductor laser module that reduces a shift of the output wavelength after the laser diode is practically operated. The laser module comprises the semiconductor laser, a thermistor, a thermoelectric cooler, a heater and a controller. When the temperature of the laser diode is out of a preset range, the heater is supplied a current for simulating the self-heating of the laser diode. After the temperature of the laser diode falls within the preset range, the current supplied to the heater is shut off and the laser diode is practically driven by providing the bias and the modulation currents thereto.